

PAT-NO: DE003412482A1

DOCUMENT-IDENTIFIER: DE 3412482 A1

TITLE: Process and reactor for the catalytic dehydration of methanol and/or dimethyl ether

PUBN-DATE: October 10, 1985

INVENTOR-INFORMATION:

NAME	COUNTRY
HILDEBRANDT, ULLRICH DIPL ING D	DE
LAHNE, ULRICH DIPL ING	DE
BALDUS, WOLFGANG DIPL PHYS DR	DE

ASSIGNEE-INFORMATION:

NAME	COUNTRY
LINDE AG	DE

APPL-NO: DE03412482

APPL-DATE: April 3, 1984

PRIORITY-DATA: DE03412482A (April 3, 1984)

INT-CL (IPC): C07C001/24;C07C011/04 ;C07C041/09 ;C07C043/04

EUR-CL (EPC): C07C001/24

US-CL-CURRENT: 422/222,585/640

ABSTRACT:

A process is described for the catalytic dehydration of methanol and/or dimethyl ether at temperatures of above about 300 DEG C. At least a part of the heat liberated in the reaction is removed by a coolant which is passed through the pipes 6 embedded in the catalyst packing 4. The coolant used is water which is heated and partially evaporated at a pressure above 100 bar or steam which is superheated. <IMAGE>